BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: IMPROVEMENTS TO GOVT. SCHOOL BUILDING IN KODIGEHALLI IN WARD NO. 8

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB M200-13.2:Dismantling of existing structures like culverts,bridges,retaining walls and other structure comprising of masonry,cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. By Mechanical means No. KBS Pg No 139 ,Item No 18.21,								
	SLAB								
	Toilet	Cum	1	2.50	1.20	0.15	0.45		
	Basic rate							739.00	
	Area weightage 8%							59.12	
	Total						0.45	798.12	359.15
2	Dismantling Mangalore tiles roof and stacking the material within a radius of 50 meters. - with reepers. (P.No. 269, I.No. 37.42.1 of SR 2018-19).								
	Old Class Room Roof	Sqm	1	18.60	9.00		167.40		
	Basic rate							74.00	
	Area weightage 8%							5.92	
	Total						167.40	79.92	13378.60
3	KSRRB M200-14.2.Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications Dismantling brick/Tile work B. In cement mortar. Pg No.139 Item No.18.23								
	SSM								
	SSM Colums	Cum	5	0.20	0.45	3.00	1.35		
	long walls	Cum	2	18.60	0.80	0.75	22.32		
	short walls	Cum	3	9.20	0.80	0.75	16.56		
	D1	Cum	2	1.20	2.10	0.15	0.75		
	W1	Cum	10	1.50	1.20	0.13	2.25		
	Super structure						0.00		
	Long Wall(outer wall)	Cum	2	18.60	0.30	3.60	40.17		
	Short wall(outer wall)	Cum	2	9.00	0.30	3.60	19.44		
	Inner walls								
	short walls	Cum	1	8.70	0.30	3.60	9.39		
	Total								
	Deductions								
	D1	Cum	2	0.90	0.30	2.10	-1.13		
	W1	Cum	10	1.50	0.30	1.20	-5.40		
	Total								
	Basic rate							351.00	
	Area weightage 8%							28.08	
	Total						105.70	379.08	40068.75

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
4	37.51: Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms) No. KBS Pg No 270 ,Item No 37.51,								
	old School	Sqm	2	9.30	8.40		156.24		
	Basic rate							86.00	
	Area weightage 8%							6.88	
	Total						156.24	92.88	14511.57
5	Dismantling plastering and removing the debris with a lead upto 200m. (P.No.270, I.No. 37.50)								
	Outer walls								
	Long walls	Sqm	4	18.60		3.60	267.84		
	Short walls	Sqm	4	9.00		3.60	129.60		
	Toilet Room	Sqm	4	2.50		3.00	30.00		
		Sqm	4	1.20		3.00	14.40		
	Inner walls								
	Short walls	Sqm	2	8.70		3.60	62.64		
	Deductions								
	D1	Sqm	4	0.90		2.10	-7.56		
	W1	Sqm	20	1.50		1.20	-36.00		
	Basic rate							37.00	
	Area weightage 8%							2.96	
	Total						460.92	39.96	18418.36
6	Pg No 133,Item No17.4 Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge.								
	DEBRIS	Cum					138.82		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding loading & unloading Basic rate					2.20	
	Average Weight of earth	For2Kms =2x1.3x2.2						5.72	
							138.82	64.92	9012.09
	Basic rate	62.20							
	Area weightage 8%	4.98							
	Total	67.18							
	Sump								
7	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
	For sump	cum	1	3.30	3.30	1.90	20.69		
	Basic rate							449.00	
	Area weightage 8%							35.92	
	Total						20.69	484.92	10032.99

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
	For sump	Cum	1	3.30	3.30	0.10	1.08		
	Basic rate							5102.00	
	Area weightage 8%							408.16	
	Total						1.08	5510.16	5950.97
9	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28								
	Bottom slab	Sqm	1	13.20		0.15	1.98		
	Sump walls	Sqm	4	3.30		1.80	23.76		
		Sqm	4	3.00		1.80	21.60		
	Basic rate							258.00	
	Area weightage 8%							20.64	
	Total						47.34	278.64	13190.81
10	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2								
	Cover slab	Sqm	1	3.30	3.30		10.89		
	Basic rate							400.00	
	Area weightage 8%							32.00	
	Total						10.89	432.00	4704.48
11	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10								
	For sump								
	Bottom slab	Cum	1	3.30	3.30	0.15	1.63		
	Sump walls	Cum	2	3.30	0.15	1.80	1.78		
		Cum	2	3.00	0.15	1.80	1.62		
	Cover slab	Cum	1	3.30	3.30	0.15	1.63		
	Basic rate							5812.00	
	Area weightage 8%							464.96	

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Total						6.66	6276.96	41804.55
12	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2								
	Sump	Cum					6.67		
		kg	Steel assumed 125 Kg/Cum of Concrete				833.62		
	Basic rate	Tonne					0.83	70966.00	
	Area weightage 8%							5677.28	
	Total	tonne					0.83	76643.28	63843.85
13	KSRB 12-6.1 : Providing 20mm square M.S footrest and fixing in manhole Nos 232.00 with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 12.4.6Pg No. 75 item no. 11.44								
	For sump	No.s	4				4.00		
	Basic rate							276.00	
	Area weightage 8%							22.08	
	Total						4.00	298.08	1192.32
14	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	EARTH	Cum	From Item No.1				20.69		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding Basic rate loading & unloading					2.00	
	Average Weight of earth (1.28 Tonne/cum.) .)	For2Kms =2x1.28x2						5.12	
	Basic rate							64.12	
	Area weightage 8%							4.97	
	Total						20.69	67.09	1388.15
15	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification. page no 69 item no 10.5.1								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	For sump								
	Bottom slab	Sqm	1	3.30	3.30		10.89		
	Sump walls	Sqm	2	3.30		1.80	11.88		
		Sqm	2	3.00		1.80	10.80		
	Cover slab	Sqm	1	3.30	3.30		10.89		
	Basic rate							526.00	
	Area weightage 8%							42.08	
	Total						44.46	568.08	25256.83
	Building								
16	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
	Front of Building								
	SSM Excavation								
	Front Side Steps	Cum	3	22.50	0.75	0.60	30.37		
		Cum	3	12.00	0.75	0.60	16.20		
	For corridor wall	Cum	1	37.20	0.60	0.60	13.39		
	Basic rate							449.00	
	Area weightage 8%							35.92	
	Total						59.96	484.92	29075.80
17	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15								
	Front of Building								
	SSM Excavation								
	Front Side Steps	Cum	3	22.50	0.75	0.10	5.06		
		Cum	3	12.00	0.75	0.10	2.70		
	For corridor wall	Cum	1	37.20	0.75	0.10	2.79		
	Basic rate							2429.00	
	Area weightage 8%							194.32	
	Total						10.55	2623.32	27676.02
18	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No. 13/I.No. 4.2 of CSR 2018-19)								
	SSM Below								
	Front Side Steps	Cum	3	22.50	0.75	0.15	7.59		
		Cum	3	12.00	0.75	0.15	4.05		
	For corridor wall	Cum	1	37.20	0.75	0.15	4.18		
	PCC Around Building	Cum	1	30.00	1.00	0.15	4.50		
		Cum	1	25.00	1.00	0.15	3.75		
		Cum	1	11.00	1.00	0.15	1.65		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic rate							5194.00	
	Area weightage 8%							415.52	
	Total						25.72	5609.52	144276.85
19	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.5 of PWD SR 2018-19)								
	Around Building								
		Cum	1	30.00	1.00	0.15	4.50		
		Cum	1	25.00	1.00	0.15	3.75		
		Cum	1	11.00	1.00	0.15	1.65		
	Front of Building Slope	Cum	1	22.50	1.50	0.15	5.06		
		Cum	1	15.20	1.50	0.15	3.42		
	Basic rate							5328.00	
	Area weightage 8%							426.24	
	Total						18.38	5754.24	105762.93
20	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas per specifications.KBS 5.1.13 Pg No 25 item No 5.6								
	SSM Footing								
		Cum	3	22.50	0.45	0.45	13.66		
		Cum	3	12.00	0.45	0.45	7.29		
	Basic rate							4596.00	
	Area weightage 8%							367.68	
	Total						20.95	4963.68	103989.09
21	KSRB 5.4-4 : Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 Pg No 25 item No 5.13								
	Above Ground								
	For Corridor wall	Cum	1	37.00	0.45	0.45	7.49		
	Steps	Cum	1	22.50	0.30	0.45	3.03		
		Cum	1	22.50	0.30	0.30	2.02		
		Cum	1	22.50	0.30	0.15	1.01		
		Cum	1	12.00	0.30	0.45	1.62		
		Cum	1	12.00	0.30	0.30	1.08		
		Cum	1	12.00	0.30	0.15	0.54		
	Basic rate							6005.00	
	Area weightage 8%							480.40	
	Total						16.79	6485.40	108889.86

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
22	KSRB 15.1.3 – do – Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.								
	For Corridor wall	Cum	1	37.00		0.45	16.65		
	SSM Steps Sides	Sqm	1	0.30		0.45	0.13		
		Sqm	1	0.30		0.45	0.13		
	Basic rate							142.00	
	Area weightage 8%							11.36	
	Total						16.91	153.36	2593.31
23	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10								
	Filling Available of Excavated Earth								
	Earth Work Excavation	Cum					59.97		
	PCC for Footing	Cum					-25.73		
	Filling in foundation with granite / trap broken metal	Cum					-10.55		
	SSM Footing	Cum					-20.96		
	Basic rate							201.00	
	Area weightage 8%							16.08	
	Total						2.73	217.08	591.97
24	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	Excavated Earth	Cum					59.97		
	Filling Available of Excavated Earth						-2.73		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding Basic rate loading & unloading					2.00	
	Average Weight of earth	For2Kms =2x1.28x2						5.12	
	Basic rate							64.12	
	Area weightage 8%							5.12	
	Total						57.24	69.24	3963.29
25	Providing and fixing M.S.Grill over existing compound wall as per Chief Architect drawing No. 12686, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification.								
	Ground Floor								
	Grill	Sqm	1	37.20		1.80	66.96		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	First Floor								
	Grill	Sqm	1	37.20		1.80	66.96		
	Second Floor								
	Grill	Sqm	1	37.20		1.80	66.96		
	Basic rate							5369.00	
	Area weightage 6%							429.52	
	Total						200.88	5798.52	1164806.69
26	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 16 Item No 4.32								
	Second Floor								
	Colums	Cum	10	1.36		2.55	34.68		
	Basic rate							456.00	
	Area weightage 8%							36.48	
	Total						34.68	492.48	17079.20
27	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2								
	Second Floor								
	Centring								
	Slab	Cum	1	13.20	7.80		102.96		
	Basic rate							400.00	
	Area weightage 8%							32.00	
	Total						102.96	432.00	44478.72
28	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.2, Pg No 17,Item No 4.36								
	Second Floor								
	Slab	Sqm	2	13.20		0.15	3.96		
		Sqm	2	7.80		0.15	2.34		
	Basic rate							755.00	
	Area weightage 8%							60.40	
	Total						6.30	815.40	5137.02
29	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34								
	Second Floor								
	Lintels								
	Through Lintel	Sqm	4	13.20		0.20	10.56		
	Beam								
	B(200X600)								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Longer Direction	Sqm	4	13.20		0.45	23.76		
	Shorter Direction	Sqm	10	7.80		0.45	35.10		
	Basic rate							292.00	
	Area weightage 8%							23.36	
	Total						69.42	315.36	21892.29
30	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 Pg No 17,Item No 4.37								
	Second Floor								
	Chajja W1	Sqm	4	2.10	0.60		5.04		
	Front	Sqm	4	2.10		0.10	0.84		
	Sides	Sqm	8	0.60		0.10	0.48		
	Basic rate							323.00	
	Area weightage 8%							25.84	
	Total						6.36	348.84	2218.62
31	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12								
	Second Floor								
	Colums	Cum	10	0.45	0.23	2.55	2.63		
	Lintels								
	Through Lintel	Cum	2	13.20	0.20	0.20	1.05		
	Basic rate							6045.00	
	Add lift charges for Second Floor							120.00	
	Basic rate							6165.00	
	Area weightage 8%							493.20	
	Total						3.68	6658.20	24502.17
32	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Pg No.19 Item No.4.49.2								
	Second Floor								
	Beam								
	B(200X600)								
	Longer Direction	Cum	2	13.20	0.23	0.45	2.73		
	Shorter Direction	Cum	5	7.80	0.23	0.45	4.03		
	Slab	Cum	1	13.20	7.80	0.15	15.44		
	Basic rate							5497.00	
	Area weightage 8%							439.76	

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Total						22.20	5936.76	131796.07
33	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 Pg No.15 Item no.4.20								
	Second Floor								
	Chajja	Sqm	4	2.10	0.60		5.04		
	Basic rate							496.00	
	Add lift charges for Second Floor							10.00	
	Basic rate							506.00	
	Area weightage 8%							40.48	
	Total						5.04	546.48	2754.25
34	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2								
	Second Floor								
	Column	Cum	Concrete Quantity				2.63		
		kg	Steel assumed 150 Kg/Cum of Concrete				394.50		
		tonne					0.394		
	Lintel	Cum	Concrete Quantity				1.06		
		kg	Steel assumed 100 Kg/Cum of Concrete				105.60		
		tonne					0.11		
	Beam	Cum	Concrete Quantity				6.77		
		kg	Steel assumed 150 Kg/Cum of Concrete				1015.34		
		tonne					1.02		
	Roof Slab	Cum	Concrete Quantity				15.44		
		kg	Steel assumed 125 Kg/Cum of Concrete				1930.50		
		tonne					1.93		
	Chajja	Cum	Concrete Quantity				5.04		
		kg	Steel assumed 100 Kg/Cum of Concrete				504.00		
		tonne					0.50		
	Basic rate							70966.00	
	Add lift charges for Second Floor							1496.00	
	sub total							72462.00	
	Area weightage 8%							5796.96	
	Total						3.95	78258.96	309078.67

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
35	Fabricating, supplying and erecting M.S. TubularTruss of span upto 10m. The bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all thememberes including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification. (Page No. 43 Item No. 7.29 of CSR 2018-19).								
	Head Room								
	Third Floor								
		kgs	1			4.6*3.4*(3.28)^2*2.5	420.65		
		(QUANTITY OF STEEL ASSUMED @ 3Kg/ SFT)							
	Basic rate							111.00	
	Add lift charges for Third Floor							18.00	
	sub total							129.00	
	Area weightage 8%							10.32	
	Total						420.65	139.32	58604.95
36	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses.								
	Third Floor								
	Roof Sheet	Sqm	1	4.90	3.60		17.64		
	Basic rate							688.00	
	Add lift charges for Third Floor							18.00	
	sub total							706.00	
	Area weightage 8%							56.48	
	Total						17.64	762.48	13450.14
37	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1								
	Ground Floor								
	Corridor Wall	Sqm	1	37.20		1.20	44.64		
	Deduction								
	D1	Sqm	3	1.20		1.20	-4.32		
	Basic rate							912.00	
	Area weightage 8%							72.96	
	Total						40.32	984.96	39713.58

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Second Floor								
	Longer Direction	Sqm	2	13.20		2.40	63.36		
	Shorter Direction	Sqm	3	5.72		2.40	41.18		
	Deduction								
	D	Sqm	2	1.20		2.10	-5.04		
	W	Sqm	6	1.50		1.20	-10.80		
	Basic rate							912.00	
	Add lift charges for Second Floor							70.00	
	sub total							982.00	
	Area weightage 8%							78.56	
	Total						88.70	1060.56	94071.67
38	KSRB 5-15 : Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications. KBS No.5.4, Pg No 27, Item No 5.28								
38A	Second Floor								
	Corridor Wall	Sqm	1	15.00		1.20	18.00		
	Deduction								
	Grill	Sqm	3	3.00		1.20	-10.80		
	Basic rate							811.00	
	Add lift charges for Second Floor							70.00	
	sub total							881.00	
	Area weightage 8%							70.48	
	Total						7.20	951.48	6850.65
38B	Third Floor								
	Parapit Wall	Sqm	2	18.92		1.00	37.84		
	Head Room								
	Long wall	Sqm	2	4.30		1.20	10.32		
	Short wall	Sqm	2	3.00		1.20	7.20		
	Deduction								
	D1	Sqm	1	1.00		1.00	-1.00		
	Basic rate							811.00	
	Add lift charges for Third Floor							105.00	
	sub total							916.00	
	Area weightage 8%							73.28	
	Total						54.36	989.28	53777.26
39	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.16								
39A	External Plastering								
	Ground Floor								
	Corridor Wall	Sqm	2	37.20		1.20	89.28		
	Deduction						0.00		
	D1	Sqm	6	1.20		1.20	-8.64		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic rate							261.00	
	Area weightage 8%							20.88	
	Total						80.64	281.88	22730.80
39B	Second Floor								
	Longer Direction	Sqm	2	13.20		3.00	79.20		
	Shorter Direction	Sqm	2	5.80		3.00	34.80		
	Corridor Wall	Sqm	2	15.00		1.20	36.00		
	Chejja	Sqm	4	1.80	0.60		4.32		
		Sqm	4	3.00		0.15	1.80		
	Deduction								
	Grill	Sqm	6	3.00		1.20	-21.60		
	D	Sqm	2	1.20		2.10	-5.04		
	W	Sqm	6	1.50		1.20	-10.80		
	Basic rate							261.00	
	Add Scaffolding charges for Second Floor							24.00	
	sub total							285.00	
	Area weightage 8%							22.80	
	Total						118.68	307.80	36529.70
39C	Third Floor								
	Parapit Wall	Sqm	4	18.92		1.00	75.68		
	Head Room								
	Long wall	Sqm	4	4.30		1.20	20.64		
	Short wall	Sqm	4	3.00		1.20	14.40		
	Deduction								
	D1	Sqm	2	1.00		1.00	-2.00		
	Basic rate							261.00	
	Add Scaffolding charges forThird Floor							36.00	
	sub total							297.00	
	Area weightage 8%							23.76	
	Total						108.72	320.76	34873.02
40	KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering. : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .Pg No. 115 Item No.15.10								
	Internal Plastering								
	Second Floor								
	Class Room 1	Sqm	2	6.10		2.85	34.77		
		Sqm	2	5.30		2.85	30.21		
	Class Room 2	Sqm	2	6.10		2.85	34.77		
			2	5.30		2.85	30.21		
	Deduction						0.00		
	D	Sqm	2	1.00		2.10	-4.20		
	W	Sqm	6	1.20		1.50	-10.80		
	Basic rate							204.00	
	Add lift charges for Second Floor							12.00	

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	sub total							216.00	
	Area weightage 8%							17.28	
	Total						114.96	233.28	26817.86
41	KSRB15-3-14 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Pg No 116, Item No15.22								
	Ceiling								
	Second Floor								
	Class Room 1	Sqm	1	6.10	5.30		32.33		
	Class Room 2	Sqm	1	6.10	5.30		32.33		
	Beam	Sqm	4	7.80		0.45	14.04		
	At Corridor	Sqm	1	13.20	1.90		25.08		
	Basic rate							225.00	
	Add lift charges for Second Floor							12.00	
	sub total							237.00	
	Area weightage 8%							18.96	
	Total						103.78	255.96	26563.52
42	providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification. Pg No.128 Item No.15.106								
	for Internal plastered portions	Sqm	1	same as Internal plastering			114.96		
	ceiling	Sqm	1	same as plastering for beam + ceiling			103.78		
	Basic rate							78.00	
	Area weightage 8%							6.24	
	Total						218.74	84.24	18426.65
43	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. PgNo. 119, I.No. 15.51.2								
	Internal painting	Sqm	Same as Internal plastering				114.96		
	Basic rate							90.00	
	Area weightage 8%							7.20	
	Total						114.96	97.20	11174.11
44	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications.Pg No 119,Item No15.49.2								
	Ceiling	Sqm	Same as plastering for beam and ceiling				103.78		
	Basic rate							110.00	

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Extra over Item 15-14.1							8.00	
	sub total							118.00	
	Area weightage 8%							9.44	
	Total						103.78	127.44	13225.72
45	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications (page no127, item no.15.103)								
45A	External painting								
	Ground Floor								
	Old Building Painting	Sqm	2	38.70		4.20	325.08		
		Sqm	2	30.00		4.20	252.00		
		Sqm	2	7.60		4.20	63.84		
	Colums Painting	Sqm	18	1.00		4.20	75.60		
	Basic rate							340.00	
	Area weightage 8%							27.20	
	Total						716.52	367.20	263106.14
45B	Second Floor	Sqm	Same as External plastering +chejja plastering				227.40		
	Basic Rate							340.00	
	An additional rate of Rs.4.00/sqm per floor for lift charges and Rs.4.00/sqm per floor for scaffolding charges may be added for every additional floor							16.00	
	sub total							356.00	
	Area weightage 8%							28.48	
	Total						227.40	384.48	87430.75
46	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specification.Pg No 110,Item No14.51								
	Ground Floor								
	Steps in Front of Building								
	Treads	Sqm	3	34.50	0.30		31.05		
	Rise	Sqm	3	34.50		0.15	15.52		
	Front of Stage	Sqm	1	7.80		0.85	6.63		
	Basic rate							4456.00	
	Area weightage 8%							356.48	
	Total						53.20	4812.48	256023.93

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
47	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4, Pg No 104,Item No 14.13								
	Second Floor								
	Class Room 1	Sqm	1	6.10	5.30		32.33		
	Class Room 2	Sqm	1	6.10	5.30		32.33		
	At Corridor	Sqm	1	13.20	1.90		25.08		
	Basic rate							631.00	
	An additional rate of Rs.2/sqm per floor may be added for every additional floor							4.00	
	sub total							635.00	
	Area weightage 8%							50.80	
	Total						89.74	685.80	61543.69
48	Providing and fixing Vetrified glazed tiles of approved make quality & colour of size 900x900x 12mm thick fixed on bed of 12mm thick cement mortar for flooring ,skirting ad jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc including Cost of all materials mortar labour etc complete as per specificationPg no. 109 Item No.14.45.1								
	Second Floor								
	Class Room 1	Sqm	1	6.10	5.30		32.33		
	Class Room 2	Sqm	1	6.10	5.30		32.33		
	At Corridor	Sqm	1	13.20	1.90		25.08		
	Skirting	Sqm	4	6.20		0.15	3.72		
		Sqm	4	5.30		0.15	3.18		
	At Corridor	Sqm	1	26.30		0.15	3.94		
	Basic Rate							1137.00	
	An additional rate of Rs.2/sqm per floor may be added for every additional floor							4.00	
	sub total							1141.00	
	Area weightage 8%							91.28	
	Total						100.58	1232.28	123942.72
49	KSRB 10-3 : Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications. (P.No. 68, I.No. 10.2 of PWD SR 2018-19)								
	Slab	Sqm	1	13.20	7.80		102.96		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Water Proofing Coat on existing Building	Sqm	1	7.60	7.80		59.28		
	Basic Rate							994.00	
	Area weightage 8%							79.52	
	Total						162.24	1073.52	174167.88
50	KSRB 9-27.1 : Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No9.80								
	Second Floor								
	D	Nos	2				2.00		
	Basic rate							1366.00	
	Area weightage 8%							109.28	
	Total						2.00	1475.28	2950.56
51	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg No 53,Item No9.11								
	Second Floor								
	D	Cum	2	6.20	0.15	0.13	0.23		
	Basic rate							87604.00	
	Area weightage 8%							7008.32	
	Total						0.23	94612.32	21997.36
52	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, Pg No. 53, Item No. 9.15								
	Second Floor								
	D	Sqm	2	1.00		2.10	4.20		
	Basic rate							4722.00	
	An additional rate of Rs.4.00/sqm per floor may be added for every additional floor							8.00	
	sub total							4730.00	
	Area weightage 8%							378.40	
	Total						4.20	5108.40	21455.28
53	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications. Pg no:121.Item no:15.60.1								
	Second floor								
	D	Sqm	2	6.20	0.15		1.86		
		Sqm	4	6.20	0.13		3.10		
	Basic rate							97.00	

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Area weightage 8%							7.76	
	Total						4.96	104.76	519.60
54	Pre-painted steel windows / ventilators & door frames: Supply and fixing of windows and top hung and fixed louered ventilatorsmade of pre-painted steel (base steel as per IS 513 of -0.58mm thick'D' quality, galvanized as per IS 277 with zinc of 120 GSM) with apolyester paint, of 12-16 microns thick and back coated with 5-7 micronsthick alkyd backer. Section for outer frame should be 46x52mm, sectionfor shutter should be 46x46mm, section for mullion should be 46x70mm.and section for beading should be 18x25mm and section for louvered ventilator should be 33x57mm the windows hould be pannaled with 5 mm thick plain float glass and 4mm pinhead glass for ventilators with rubber Gasket. The sections are to be cut to length, mitre joined with corner bracket and centre mullions are to be fixed using mullion cap. Handle made of high grade aluminium powder coated and nylon receiver. Corner brackets made of CRCA with Zinc Phosphate. Mullion caps made of glass filled nylon. The above frames should be ixed to the concrete/ masonry will by means of self-expanding screws. Including 10mm square bars with 6" pitch complete finished item of work. Double shutter 3'-0" X 4' - 0" (914.4MM x 1219.2 MM) outer frame section size of 46x52mm shutter frame section size of 46x46mm. Item No 38.38.1 page no 307								
	Second Floor								
	W	Sqm	6	1.50		1.20	10.80		
	Basic Rate							3842.00	
	An additional rate of Rs.6/sqm per							12.00	
	sub total							3854.00	
	Area weightage 8%							308.32	
	Total						10.80	4162.32	44953.05
55	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.Specification No. KBS 7.12 Pg No.34 Item No.7.9								
	Second Floor								
	W	kg	6			37.80	226.80		
						21kg per sqm 1.5*1.2*21=37.8			
	Basic Rate							95.00	
	An additional rate of Rs.6/sqm per floor may be added for every additional floor							12.00	
	sub total							107.00	
	Area weightage 8%							8.56	
	Total						226.80	115.56	26209.00
56	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Pg no:123.Item no:15.74								
	For window and ventilators	sqm	1	window qty+ventilator qty			10.80		
	Painting for Grill Works	Sqm				window qty	10.80		
	Painting for Stage colums	Sqm	6			Circumference of column= 2X3.14X	14.13		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	MS grill for Old Building Back side of stage	Sqm	8			Grill painting	69.44		
	For Old Building Windows	Sqm	16			Metal Window	28.80		
	For Metal Doors	Sqm	12			Metal Door	30.24		
	Basic rate							95.00	
	Area weightage 8%							7.60	
	Total						164.21	102.60	16847.94
57	Providing and fixing M.S. Hand railing for Balcony with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections hould be cut to length, welded and grinded wherever necessary etc., complete . The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing. P. No. 45 / I. No. 7.35								
	Second Floor								
	Between Corridor Walls	Sqm	3	3.00		1.20	10.80		
	Basic Rate							2840.00	
	An additional rate of Rs.6/sqm per floor may be added for every additional floor							12.00	
	sub total							2852.00	
	Area weightage 8%							228.16	
	Total						10.80	3080.16	33265.72
58	Door Frame - Entrance : Providing & fixing factory made Galvanized plain steel door frame of profile size 125 x 60 mm single rebate manufactured from galvanized plain steel sheet 1.25 mm thick, conforming to IS:277. The door frame consists of hinge jamb, lock jamb, head & bottom tie bars, supply in knockdown condition & to be assembled at site by mechanical means with special mitre joint. The bottom tie bar made out of galvanized plain steel sheet 1.60 mm thick pressed angle 20 x 20 mm screwed to the door frame. The stiffeners of 3 mm thick pre- punched & pre-trapped are to be welded inside the pre-punched slots of the door frames & 4 nos. of S.S. butt hinges 100 x 59 x 2.5 mm to be screwed to the door frame. The necessary stiffeners & mortar guards to be provided for fixing hardware fixtures. The door frame to be powder coated after pre- treatment of the surface. The door frame shall be filled with 1:3:6 cement concrete & to be fixed with adjustable lugs/ hold fasts. Alternatively, dry fixing shall be permitted by using metallic expansion bolt. The rate is including transportation, loading, unloading, HOM etc. but excluding the hardware fixtures. size 1000 x 2130 mm item No: 38.49.1 Page No 313								
	Ground Floor								
	D1	Rtm	3	7.20			21.60		
	Second Floor								
	D1	Rtm	1	7.20			7.20		
	Basic rate							545.00	
	Area weightage 8%							43.60	
	Total						28.80	588.60	16951.68

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
59	Door Shutters Entrance : Providing & fixing factory made Galvanized steel door Shutters 32 mm thick manufactured from pre- painted Galvanized plain steel sheet 0.60 mm thick conforming to the IS: 14246. The door shutters consist of two outer skins if steel sheets, lock seam jointed at vertical stile edges, horizontal top & bottom sides to form a double skin fully flush shell. Rigid polyurethane Foam (PUF) of density 40 Kg/M3 shall be filled in the hollow portion of door shutters for structure rigidly & sound insulation. The necessary stiffeners of the Galvanized plain steel sheet of minimum thickness 1.60 mm to be provided for fixing all hardware fixtures. The rate is including transportation, loading, unloading, HOM etc. but excluding the hardware fixtures. size – 900 x 2035 x 32 mm thick. item No: 38.50.1 Page No 314								
	Ground Floor								
	Metal door D1	Sqm	3	2.00		2.10	12.60		
	Second Floor								
	Metal door D1	Sqm	2	2.00		2.10	8.40		
	Basic rate							2140.00	
	Area weightage 8%							171.20	
	Total						21.00	2311.20	48535.20
	Plumbing								
60	KSRB 11.17.1: Providing and fixing C.P brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P brass screws including cost of materials, labour complete as per specifications. P-85								
		Unit	2				2.00		
	Basic rate							739.00	
	Area weightage 8%							59.12	
	Total						2.00	798.12	1596.24
61	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.								
		Each	12				12.00		
	Basic rate							150.00	
	Area weightage 8%							12	
	Total						12.00	162.00	1944.00
62	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe.								
	-do- 110 mm dia	m	1	90.00			90.00		
	Basic rate							434.00	
	Area weightage 8%							34.72	
	Total						90.00	468.72	42184.80
63	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe.								
	-do- 160 mm dia	m	1	40.00			40.00		
	Basic rate							853.00	
	Area weightage 8%							68.24	
	Total						40.00	921.24	36849.60

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
64	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm. (P.No. 75/ I.No.11.50.2)								
		Nos.	3				3.00		
	Basic rate							8490.00	
	Area weightage 8%							679.2	
	Total						3.00	9169.20	27507.60
65	KSRB-13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 2000 Litre capacity) as per IS 12701 1996. Specification No. KBS 13.22 page no 96 item no 13.78								
		Each	1				1.00		
	Basic rate							6828.00	
	Area weightage 8%							546.24	
	Total						1.00	7374.24	7374.24
66	KSRB-13-6.1-2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no. KBS 13.2.2/ 13.3 page no 93 item no 13.24								
		Each	12				12.00		
	Basic rate							173.00	
	Area weightage 8%							13.84	
	Total						12.00	186.84	2242.08
67	KSRB-13-6.2-2 : Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no. KBS 13.2.2/ 13.3 page no 93 item no 13.27								
		Each	6				6.00		
	Basic rate							141.00	
	Area weightage 8%							11.28	
	Total						6.00	152.28	913.68

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
68	KSRB-13-6.3-2 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no. KBS 13.2.6/ 13.3 page no 93 item no 13.33								
		Each	3				3.00		
	Basic rate							336.00	
	Area weightage 8%							26.88	
	Total						3.00	362.88	1088.64
69	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) page no 99 item no13.86.2 and 13.86.3								
	20mm nominal OD pipes	m	1	36.00			36.00		
	Basic rate							235.00	
	Area weightage 8%							18.8	
	Total						36.00	253.80	9136.80
70	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) page no 99 item no13.86.2 and 13.86.3								
	25mm nominal OD pipes	m	1	25.00			25.00		
	Basic rate							293.00	
	Area weightage 8%							23.44	
	Total						25.00	316.44	7911.00

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
71	Supplying, Installing, testing and commisioning electrically driven jockey pump of capacity 180.0 Lpm at 70.0m head with all the necessary accessories viz. Pressure guages etc. operating on 3Ph 50Hz, 400/440 V AC supply incldung foudnation, bolts etc. complete Control panel shall be per specification stated in Item No.87. (Cost of controle pannel is not included)								
	Pump	Nos	1				1.00		
	Basic rate							82974.00	
	Area weightage 8%							6637.92	
	Total						1.00	89611.92	89611.92
								Total Amount	4398747.02
								GST Charges (12% of estimated cost)	527849.64
								Electrical Work and Bescom Charges	70000.00
								Miscellaneous and rounding off	3403.34
								Grand Total	5000000.00

CERRIFICATE:

1) The work spot has been inspected and found to be necessary

2) The work spot comes under B.B.M.P

3) The provisions made in the estimate are necessary and minimum

4) The estimate is based on C.S.R of 2018-2019, PWD Electrical 2019-20,PRED 2019-20, SE-RDED approved Rate and Issused Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

ADMINISTRATIVE APPROVAL

Accorded For Rs. 50.00 Lakhs only

Head of A/c. P3602

Div. Ref. No. 58 Date. 11/01/2021

11/01
AE

EE(BTP)

11/01

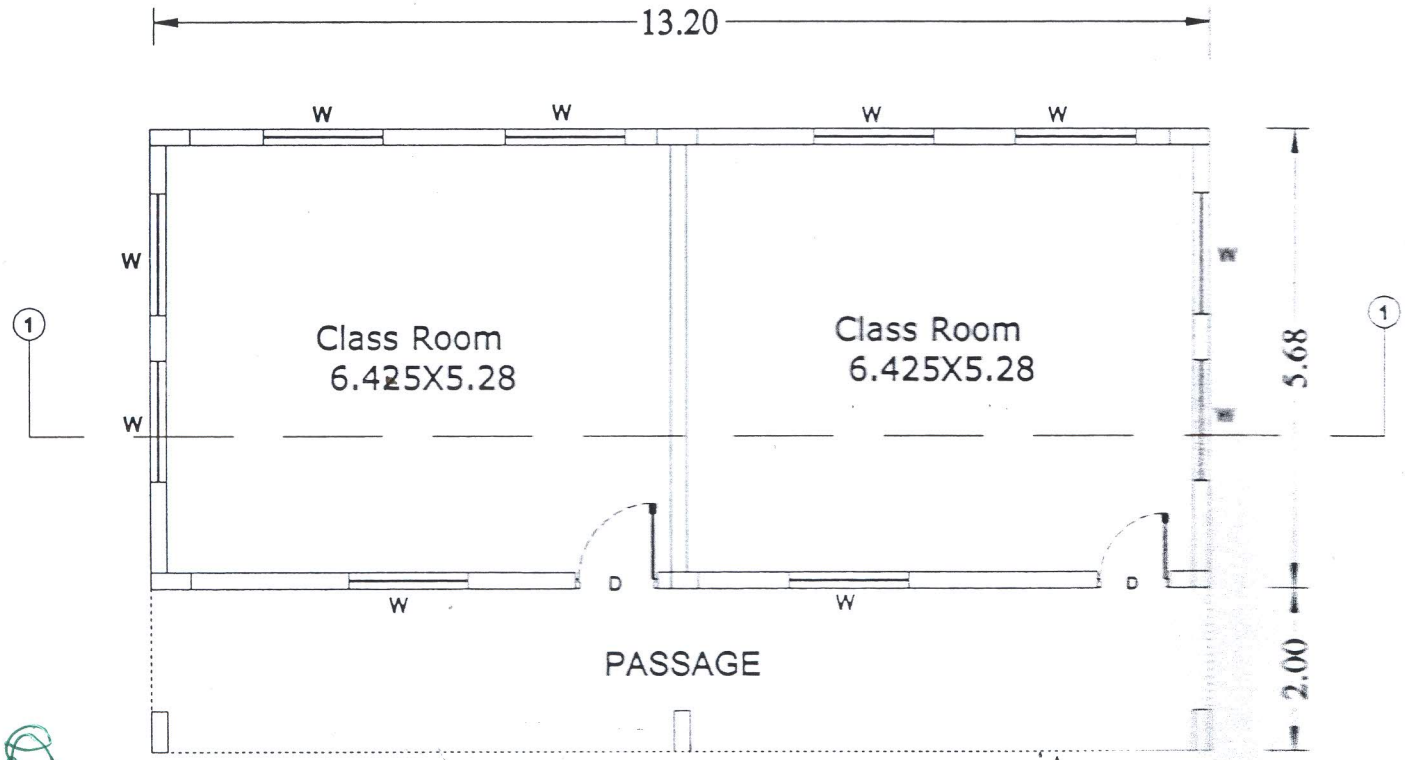
Technical Sanction
Accorded For Rs. 50.00 lakhs
Head of A/C P.3602
CER NO :TS/157 Dt: 11/01/2021

TA

CE (YNK)

BRUHAT BANGALORE MAHANAGARA PALIKE

Improvements to Govt. School building in Kodigehalli Ward No. 08.



FLOOR

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

NOTE:
All dimensions are in meters unless otherwise mentioned.

DATE	No. OF PRINTS	PRINTS ISSUED TO	SIGN

DATE	REVISION	DESCRIPTIONS	SIGN

LEGEND:-

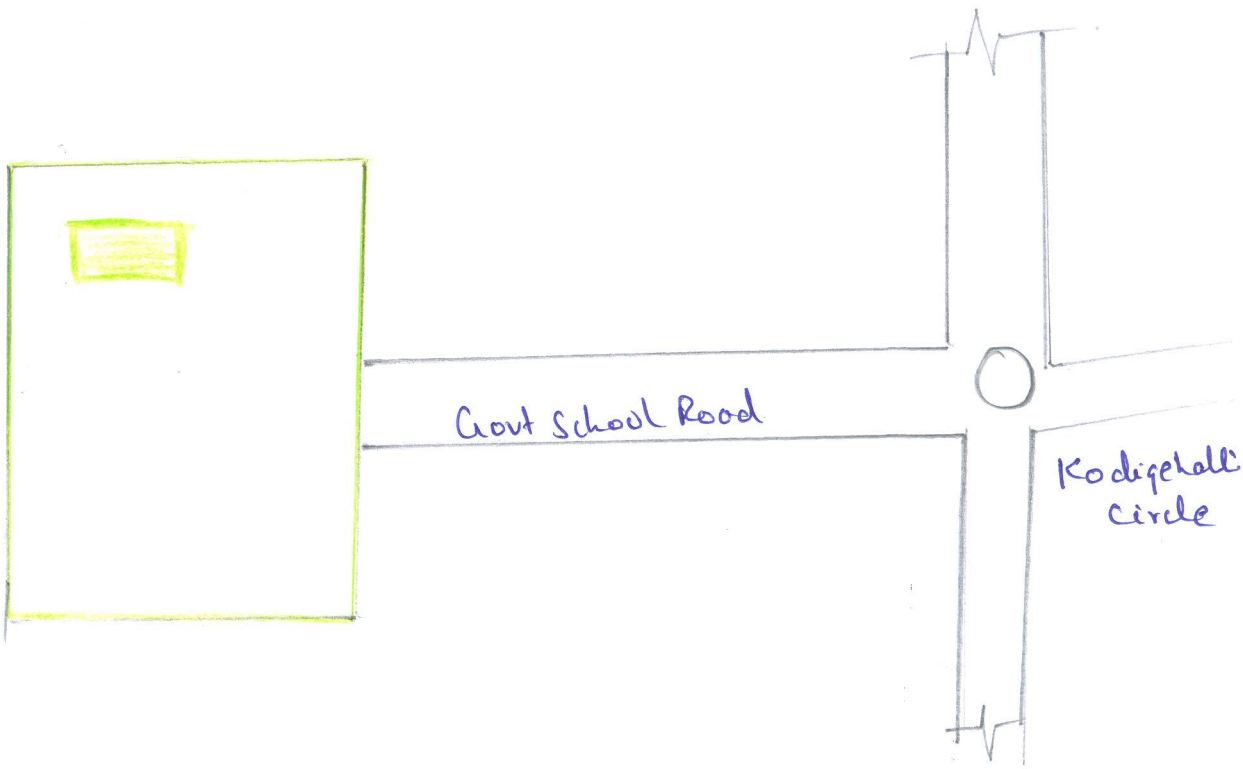
SCHEDULE OF OPENINS

[illegible]	2	1.20m X 2.10m
[illegible]	10	1.50m X 1.50m

BBMP Bangalore

Improvements to Govt School building in Kodigehalli in ward No 8.

Kodigehalli



→ Govt school building

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore